"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALKINA, O.M.; SKRYABINA, Ye.A.; RAFAL'SON, D.I.

Results of obtaining active anti influenza serum from vaccinated donors. Vrach.delo no.9:107-111 S 53. (MIRA 16:10)

1. Otdel virusologii Instituta eksperimental'noy meditsiny AMN SSSR, Leningradskiy nauchno-issledovatel'skiy institut pereliyaniya krovi i zdravpunkt pri Pervom Leningradskom meditsinskom institute imeni akad. I.P.Pavlova.
(INFLUENZA) (SERUM THERAPY)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

SHUVALOVA, Ye.P.; PUNI, I.N.; KOCHETOV, Yu.I.; CHALKINA, O.M.

Clinical data on the effectiveness of the therapeutic use of antigrippin in children and adults. Vrach. delo no.9:111-114 '63. (MIRA 16:10)

1. Kafedra infektsionnykh bolezney 1-go Leningradskogo meditsinskogo instituta imeni akad. I.P.Pavlova, bol'nitsa imeni S.P.Botkina i otdel virusologii Instituta eksperimental'noy meditsiny AMN SSSR.
(INFLUENZA) (SERUM THERAPY)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

SMORODINTSEV, A.A.; BUROV, S.A.; DOKUCHAYEV, G.M.; MINCHEV, P.N.; FILIPPOV, N.A.; CHALKINA, O.M.

Influence of the number of vaccinations on the epidemiological effectiveness of live influenza vaccine. Vop. virus. 8 no.3: 286-291 My-Je'63. (MIRA 16:10)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.
(INFLUENZA—PREVENTIVE INOCULATION)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

SMORODINTSEV, A.A.; CHALKINA, O.M.

Results and prospects of the use of live vaccines against influenza and influenza-like infections. Vest. AMN SSSR 18 no.5: 81-87 '63. (MIRA 16:8)
(VACCINES) (INFLUENZA—PREVENTIVE INOCULATION)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

PIGAREVSKIY, V.Ye.; IL'IN, G.I.; ANATOLIY, S.A.; CHALKINA, O.M.

Paradoxical mitigation of toxic influenza manifestations under the influence of a mild course of a staphylococcal infection of the respiratory tracts. Vop. virus. 10 no.2:181-187 Mr-Ap '65. (MIRA 18:10)

1. Institut eksperimental'noy meditsiny AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

SMORODINTSEV, A.A.; DOKUCHAYEV, G.I.; MINICHEV, P.N.; FILIPPOV, N.A.; CHALKINA, O.M.

Epidemiological effectiveness of live influenza vaccine during A2 and B influenza outbreaks in 1962. Vop. virus. 10 no.4:476-482 Jl-Ag '65. (MIRA 18:8)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

SMORODINTSEV, A.A.; DOKUCHAYEV, G.I.; MINICHEV, [illegible].N.; FILIPPOV', N.A.
CHALKINA, O.M.

Epidemiological effectiveness of live vaccine against influenza during the outbreak of influenza A2 and B in 1962. Zhur. mikrobiol., epid. i immun. 42 no.10:54-61 O '65. (MIRA 18:11)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.
Submitted June 10, 1964.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

COUNTRY : BULGARIA
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Fermentation Industry
ABS. JOUR. : RZhKhim., No 19, 1959, No. 69472

AUTHOR : Chelkov, G.
INSTITUTE : -
TITLE : Preservation and Improvement of Quality of Unaged Wines
ORIG. PUB. : Lozarstvo i vinarstvo, 1958, 7, No 6, 20-25

ABSTRACT : It is recommended that the fermentation of the crape musts be conducted at 18-20°. When temperature tends to increase it is recommended that refrigeration be employed. When temperature falls below 17° musts, must be heated, the effect of yeast must be eliminated at an appropriate time, and SO_2 passed at a rate of 30-40 mg/l and up to 50 mg/l (when the microbiological analysis is doubtful or in the presence of residual sugar). It is also recommended to carry out correct filling with the added wine subjected to SO_2 - treating at the rate up to 100-150 mg/l. During winter natural

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhKhim., No 19, 1959, No. 69472

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT : cooling may be used. Treated wines, after the
Con'd treatment with bentonite, must be subjected to
sterile filtration. -- N Skurikhin

Card: 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

L 1473-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5022169 UR/0032/65/031/009/1090/1090

AUTHOR: Ustimov, A. M.; Chalkov, N. Ya.; Yakovleva, A. V.

TITLE: Determination of sodium in high-purity lead

SOURCE: Zavodskaya laboratoriya, v. 31, no. 9, 1965, 1090

TOPIC TAGS: flame photometry, sodium, lead, quantitative analysis, photometric analysis

ABSTRACT: A flame-photometric method of determining sodium in lead with a sensitivity of $5—10^{-7}$% is proposed in which use is made of the 5895.9—5889.9 A doublet. The flame-photometric device employed is described briefly. A 50 g sample of lead is placed in a quartz flask, 20 ml of mercury and 100 ml of 1% nitric acid are added, and the mixture is brought to a boil. After cooling, the lead amalgam is separated from the solution, which contains all of the sodium. The solution is then analyzed by the flame-photometric method. Orig. art. has: 1 formula.

ASSOCIATION: Chimkentskiy svintsovyy zavod (Chimkent Lead Plant)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM,GC

NO REF SOV: 000 OTHER: 000

Card 1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

L 34882-66 EWT(m)/EWP(t)/ETI IJP(c) RDW/JD/GD

ACC NR: AT6013544 (A) SOURCE CODE: UR/0000/65/000/000/0111/0114

AUTHOR: Yudelevich, I. G.; Shelpakova, I. R.; Aseyko, Ye. M.; Minskaya, L. N.; Larina, L. K.; Chalkova, N. Ya.; Sosnovskaya, T. I.; Zaks, I. V.; Khamidulina, F. K.

ORG: None

TITLE: Spectrographic determination of trace elements in the raw materials and intermediate products of the rare metals industry

SOURCE: Ural'skoye soveshchaniye po spektroskopii, 4th, Sverdlovsk, 1963. Materialy. Moscow, Izd-vo Metallurgiya, 1965, 111-114

TOPIC TAGS: spectrum determination, zinc, lead, indium, thallium, germanium, selenium, tellurium, spectrographic analysis

ABSTRACT: A number of new methods are described for determination of indium, thallium, germanium, selenium and tellurium in intermediate products of the lead and zinc industry. Germanium is spectrographically determined by injection of powder specimens into an a-c arc discharge. The spectroscopic buffer for determination of more than 0.001% Ge is carbon powder containing 5% $Bi(NO_3)_3$ as an internal standard. The analytical line pair is Ge 269.13 mμ-Bi 280.96 mμ. For determining higher concentrations of germanium (above 0.1%), use is made of the Ge 258.91 mμ-Bi 280.96 mμ or Ge 274.04 mμ-Bi 280.96 mμ line. A buffer consisting of a mixture of quartz and sulfur

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L 34882-66

ACC NR: AT6013544 O

was used for determining traces of germanium of the order of 1 part in 100,000 in slags and mattes. The sensitivity of germanium determination with respect to the Ge 303.90 mμ line is 10-4% in this case with a relative error of about 15%. Commercial solutions are analyzed by electrode saturation. The relative mean square error is 9% with this method. Indium, thallium, gallium, and germanium are simultaneously determined by pouring the solutions to be analyzed into a socket in a special copper electrode and then drying the electrode so that the solution adheres to the surface. The advantage of this method over the saturation of carbon electrodes lies in the possibility of using the sensitive long-wave lines located in the region of cyanogen bands: In 410.18 mμ, Ga 417.2 mμ and Tl 377.57 mμ. This method gives a relative error of 9%. Methods are discussed for determination of rare elements in zinc and lead ores with a sensitivity of at least 10^{-4}% using spectrographic analysis with a buffer solution of sodium fluorides. Orig. art. has: 1 figure.

SUB CODE:11,20/ SUBM DATE: 06Jul65/ ORIG REF: 005/ OTH REF: 000

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APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

SMORODINTSEV, A. A.; ALEKSANDROVA, G. A.; CHALKOVA, O. U.; SELIVANOV, A. A.

"Experiences in the development of live vaccines against influenza and influenza-like respiratory infections."

paper presented at Symp on Applied Virology, Boca Raton, Fla., 30 Nov-2 Dec 64.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

USTIMOV, A.M.; CHALKOV, N.Ya.; YAKOVLEVA, A.V.

Determination of sodium in lead of higher purity. Zav. lab. 31 no.9: 1090 '65. (MIRA 18:10)

1. Chimkentskiy svintsovyy zavod.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHARLOKOV, V.

Farmatsiya, 1970, Vol 33, No 1, 1968

1. V. [illegible] (Docent) and N. [illegible] (Major Medical Service) [illegible] Congress, [illegible]

2. Anon. Report; resolutions of the 3rd Regional Conference (of the Pharmaceutical Science Society, RSFSR), pp 5-11.

3. V. [illegible] and G. [illegible]; Regarding Results of Their Operations in Extracting Drugs in Pharmacies, pp 32-37.

4. D. [illegible]; Morphology and Anatomy of Roots of Polygala major Jacq., pp 12-20. (English Summary)

5. M. [illegible]; Quantitative Determination of Alkaloids and Ephedrine in the Preparations Ephedrinal, pp 27-29.

6. V. [illegible] and N. [illegible]; Pharmacologic Study of the Spasmolytic Effect of Papaverine from Celandine Poppies L., pp 30-36. (English Summary)

7. M. [illegible] (Pharmaceutical Research Institute, Director L. [illegible]); Studies of Types of Cellulose F, and Hydroperitum M, with Regard to Glycosidase, pp 37-42.

8. L. [illegible]; The Pharmaceutical Industry Exhibit, pp 42-42.

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APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOTA, L.

The Scientic Research Coal institute, its establishment, purpose, and function, p. 21, UHLI (Ministerstvo paliv a energetiky) Praha, Vol. 5, No. 1, Jan 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

(5)

CZECHOSLOVAKIA

SYMON, K; MUSIL, J; KNOTEK, Z; CHALUPA, J; LABOUNKOVA, Z; SCHMIDT, P.

1. Institute of Hygiene (Ustav hygieny), Prague; 2. Chair of Hygiene of the UDL (Katedra hygieny UDL), Prague

Prague, Ceskoslovenska Hygiena, No 8, 1964, pp 475-481

"Risk of Using Chlorine Dioxyde in the Treatment of Water in Waterworks. Hygienic Education."

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPECKY, JAROSLAV

17

"Delustering of Silon fiber. Jan Moraxa and Jaroslav Chaloupecký. *Chem. průmysl* 6, 330-2(1956).—A procedure was worked out to make the Silon (polyamide) fiber lusterless in appearance which is a modification of the method of adding finely dispersed pigments to the polymer. The difficulty of sedimentation and aggregation of TiO_2 pigment added to the polymerization soln. was overcome by the addn. of 5–10% of poly(vinyl alc.) on wt. of TiO_2 which stabilizes the suspension. The phys. properties of the fiber are satisfactory. The nonuniformity of dyeing is not solved by this process. L. A. Helwich

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPECKY, V.

Ribosomes in growing and non-growing bacterial cells. Folia microbiol. (Praha) 9 no.4:232-237 15 Je'64

1. Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPECKY, Vl.

Gel filtration of bacterial cell extract. Folia microbiol. (Praha) 9 no.6:387-388 N '64.

1. Department of General Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 4.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CZECHOSLOVAKIA/Human and Animal Physiology - The Effect of Physical Factors. Ionizing Radiation. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13391

Author : Chaloupka, A., Grossmann, V.
Inst : -
Title : Development of Changes in Some Properties of Circulating Blood and Plasma and Thiocyanate Distribution in Rats the First Six Days after X-Ray Irradiation with Average Lethal Doses

Orig Pub : Ceskosl. fysiol., 1958, 7, No 2, 143-144

Abstract : No abstract.

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APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

ERABEC, J.; CHALOUPKA, F.; PLAS, J.

Experiences in using spraying equipment for repairing melting furnaces. Slevarenstvi 13 no.4:142 Ap '65.

1. Ceskomoravska-Kolben-Danek Prague National Enterprise, Foundry Department.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHVOJKA, L.; TRAVNICEK, L.; CHALOUPKA, J.; RIHOVA, L.

Study of the metabolism of exogenous tryptophane in the apple tree and determination of the bound tryptophane in apple and pear seeds. Biologia plantarum 4 no.4:315-318 '62.

1. Institute of Experimental Botany, Praha - Dejvice, Na cvicisti 2 (for Chvojka and Travnicek). 2. Institute of Microbiology, Czechoslovak Academy of Sciences, Praha - Dejvice, Na cvicisti 2 (for Chaloupka and Rihova).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA JIRI

CZECH

Cytochemical evidence of phosphatases in microorganisms. Jiří Stárka and Jiří Chaloupka (Charles Univ., Prague). *Rozpravy české akad.* 61, No. 33, 1–13(1951); *Bull. intern. acad. tchèque* 52, 437–40(1951)(in Russian).—The alk. and acid phosphatases were present simultaneously in bacterial cells of the same strain. No marked difference was detd. in the localization of the phosphatases (I) which did not change during the growth from 2.5 to 24 hrs. Both enzymes were situated on the surface, sometimes within the cell as well. Both I were situated in the cytoplasm; none were found in the app. of the nucleus. In the *Cyanophyceae*, yeasts, and algae the localization agreed with that of the Feulgen-pos. particles. Enzymic activity was influenced by the compn. of the medium, peptone water with glucose plus 0.1 *M* $MgSO_4$ and 0.017 *M* alanine being the most favorable. The intensity of the cytochem. reaction of I was not in agreement with the quant. analysis; only qual. results were obtained.

L. J. Urbánek

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.: STARKA, J.

Conference on technical microbiology in Prague. p. 317
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 5, Oct. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.

Proteolytic enzymes of actinomyces Streptomyces griseus. p. 206.
CESKOSLOVENSKA BIOLOGIE, Praha, Vol. 4, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

2007. Proteolytic enzyme of Actinomyces, *Streptomyces griseus*. II. Influence of form and concentration of nitrogen on secretion of protease. J. Chaloupka *Cs. mikrobiol.*, 1956, 1 32—40 (Československá Akad. věd, Biologický ústav, Prague, Czechoslovakia). —

When cultured in a medium with a low N concn., *Strep. griseus* secreted more protease than when cultured in one rich in N. Reduction in the concn. of sugar in the medium, decreased the secretion of protease. The amount secreted also depended on the form of N, being lowest on protein, higher on long peptides and highest on higher peptides and amino acids. Low enzymic secretion was accompanied by submerged sporulation whilst high secretion was accompanied by fragmentation and autolysis of the mycelium. (Czech)

A. Ackroyd

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.

Proteolytic enzymes of Streptomyces griseus. III. Short-term production. Jiří Chaloupka (Czech. Acad. Sci., Prague). *Československá mikrobiol.* 1, 211-6(1956); cf. *C.A.* 50, 9610d.—Washed mycelium of *S. griseus* forms a protease (I) on submerged incubation in distd. H_2O or in the presence of nutrients. Production of I proceeds only under conditions of aeration and is inhibited by 2×10^{-3} M 2,4-dinitrophenol (II). Mycelium incubated with II autolyzes far more rapidly but has a considerably lower content of I than mycelium incubated in distd. H_2O. Max. yield of I is given by mycelium obtained by centrifugation after 48 hrs.' cultivation on glucose-peptone medium; older mycelia give much less. In order to lower inactivation of I authors recommend the use of short-term productions for supplementing long-term expts. L. J. U.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA-J.

Proteolytic enzymes of Streptomyces griseus. II. The influence of the concentration and character of nitrogen on the secretion of protease. J. Chaloupka (Inst. Biol., Prague). *Folia Biol.* 2, 72–8(1956)(in English).—See *C.A.* 50, 9516d. G. M. Kosolapoff

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APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, JIRI

Proteolytic enzymes of Streptomyces griseus. IV. Influence of ions on the formation of enzyme. Jiří Chaloupka (Czech. Acad. Sci., Prague). *Československ. mikrobiol.* 2, 23–9 (1957); cf. *C.A.* 51, 4493a.—K ions stimulate in medium conts. glucose the growth of *S. griseus* cultures as manifested by increase in dry wt. and enhance by 100% production of proteases (I) by this microorganism. Concn. of K^+ necessary for increasing dry wt. is lower than that required for influencing formation of I. Under conditions of short-term production in the absence of external nutrients, formation of I is stimulated not only by K^+ but also by Na^+ which probably influences permeability. Ions of heavy metals (0.1*M*) lower the activity of I in descending order Zn^{++}, Fe^{++}, Ca^{++}, and Mg^{++}; Zn^{++} and Fe^{++} inactivate I also at 10^{-3}*M*. The effect of K ions may be due to influences on the metabolism of sugars. —I., J. Urbánek

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J. ; BABICKY, A.

" The ribonucleic acidpolyphosphate complex and its separation. " p. 371.

Institute of Biology, (Czechsolovak Academy of Sciences.) Vol. 2, no. 6, 1957

SO: Monthly Index of EAST European Accession (EEAI) LC, Vol. 7, No. 5 May 1958

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.

"The influence of ions on the formation of protease by the actinomyces Streptomyces griseus. In English."

p. 24 (Folia Biologica, Vol. 3, no. 1, 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No.6 June 1958.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA J.

RABICKY, A.; BASS, A.; CHALOUPKA, J.; ZAK, R.

Contamination of radiation from radioactivepotassium and phosphorus.
Cesk. fysiol. 7 no.2:112-116 Mar 58.

1. Biologicky ustav CSAV, Fysiologicky ustav CSAV, Praha
(PHOSPHORUS, radioactive
contamination (Cz))
(POTASSIUM, radioactive,
same)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

KHALOUPKA, Irahi. [Chaloupka,J.]

The formation and secretion of protease by Streptomyces griseus [with summary in English]. Mikrobiologiia 27 no.4:422-428 Jl-Ag '58 (MIRA 11:9)

1. Mikrobiologicheskoye otdeleniye biologicheskogo instituta Chekhoslovatskoy AN, Praga.
(STREPTOMYCES, metabolism
griseus synthesis & release of protease (Rus))
(PROTEASES,
synthesis & release by Streptomyces griseus culutres (Rus))

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.; LIEBSTER, J.

A proteolytic system in the growing and nongrowing cells of Escherichia coli. In English. p. 167.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4, no. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959, Uncl.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

JANECEK, J.; CHALOUPKA, J.; VERES, K.; HAVRANEK, M.

Regulation of protein synthesis in Escherichia coli by aminoacid analogues. Folia microbiol 5 no.4:207-216 '60. (EEAI 9:10)

1. Department of Microbiology and Isotope Laboratories, Institute of Biology, Czechoslovak Academy of Sciences, Prague.
(PROTEINS)
(ESCHERICIA COLI)
(AMINO ACIDS)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.

Physiological character of protein turnover in nongrowing bacterial cells. Folia microbiol 5 no.5:287-292 '60. (EEAI 10:4)

1. Department of Microbiology, Czechoslovak Academy of Sciences, Prague.
(Bacteria) (Cells) (Proteins)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.

Localization of proteases in cells of Escherichia coli and Bacillus megaterium. Folia microbiol 6 no.4:231-236 '61.

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.

(BACTERIA)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.; VERES, K.

Formation of osmotically fragile rods by the action of lysozyme on Bacillus megaterium KM. Folia microbiol 6 no.6:379-385 '61.

1. Department of Microbiology and Isotope Laboratory, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.

(LYSOZYME pharmacol) (BACILLUS pharmacol)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.; KRECKOVA, Pavla; RIHOVA, Ludmila

Changes in the character of the cell wall in growth of Bacillus megaterium cultures. Folia microbiol. 7 no.5:269-274 '62.

1. Department of General Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6.
(BACILLUS MEGATERIUM) (MURAMIDASE)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, J.; RIHOVA, Ludmila; KRECKOVA, Pavla

Degradation and turnover of bacterial cell wall mucopeptides in growing bacteria. Folia microbiol. 9 no.1:9-15 J '64.

1. Department of General Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6 - Dejvice.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Josef, inz.

Resolution of the 12th Congress of the Communist Party of Czechoslovakia and the main trends in mechanization and automation. Automatizace 6 no.1:1-2 Ja '63.

1. Statni komise pro rozvoj a koordinaci vedy a techniky.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Josef, inz.

Development of data processing stations for industrial use.
Automatizace 5 no.12:332-338 D '62.

1. Statni komise pro rozvoj a koordinaci vedy a techniky, Praha.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

DUBINSKI, Yu. [Dubinski, J.]; KHALOUPKA, L. [Chaloupka, K.]

Study of the variability of the general ionizing component of cosmic rays. Geomag. i aer. 4 no.5:945-946 S-O '64. (MIRA 17:11)

1. Universitet imeni P.I. Shafarika, Koshitse, Chekhoslovatskaya Akademiya nauk i Fizicheskiy institut Slovatskoy Akademii nauk, filial Koshitse, Chekhoslovakiya.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, M.

19

Irradiation equipment for a Co^{60} source [equal to] 400 gram-equivalents of radium. Miroslav Bezdek, Jaromír Kučera, Bohumír Chutný, and Miloslav Chaloupka (Inst. Nuclear Research, Czech. Acad. Sci., Prague). *Jaderná energie* 6, 202–3(1960).—The app. and its manipulation are described. H. Newcombe

6

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, P.; PERNEGR, J.; DUDINSKY, J.

"Eastern-Western Asymmetry of Cosmic Rays on 48° N of Geomagnetic Latitude." p. 237, (MATEMATICKO-FYZIKALNY CASOPIS, Vol. 4, No. 4, 1954, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 5, May 1955, Uncl.

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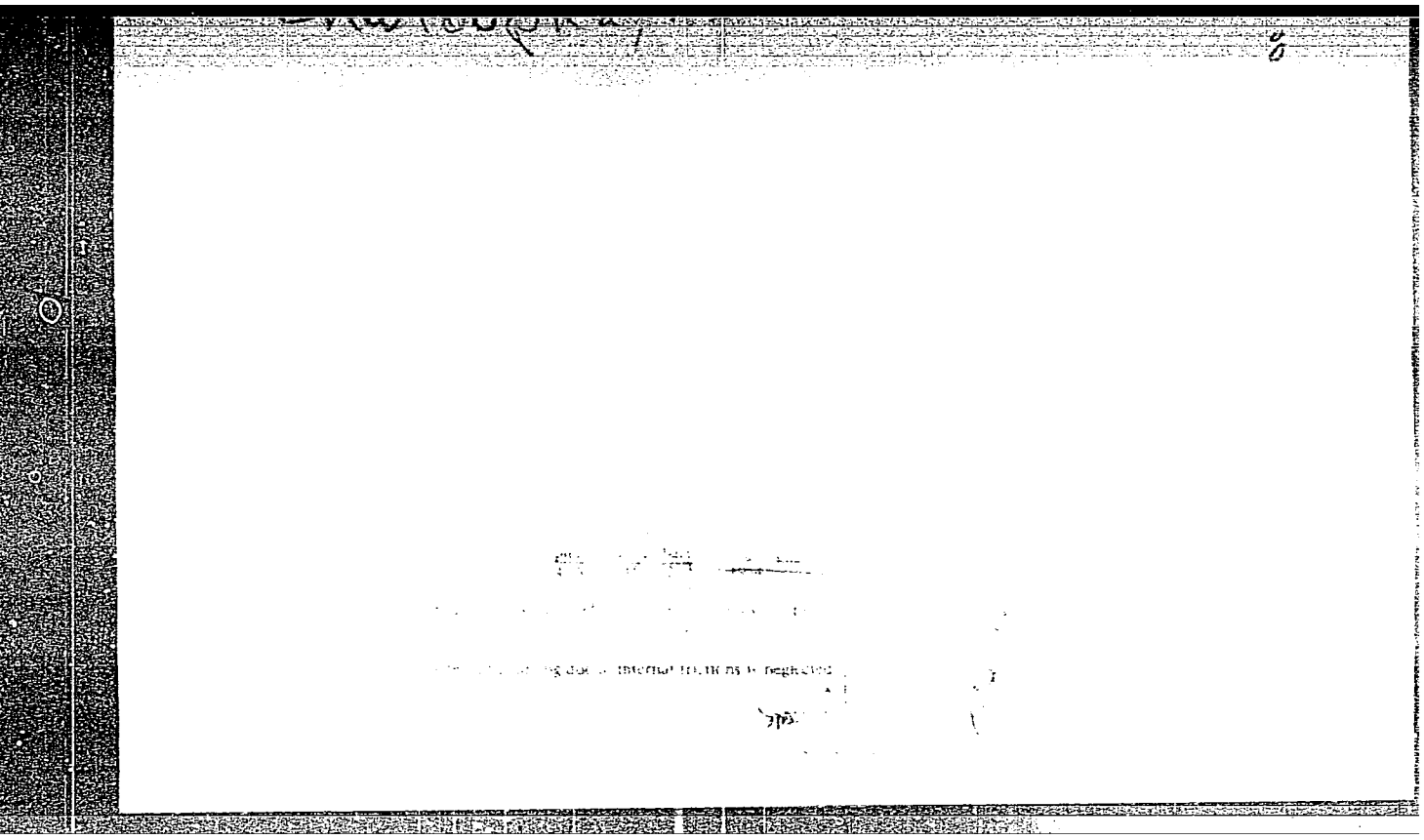

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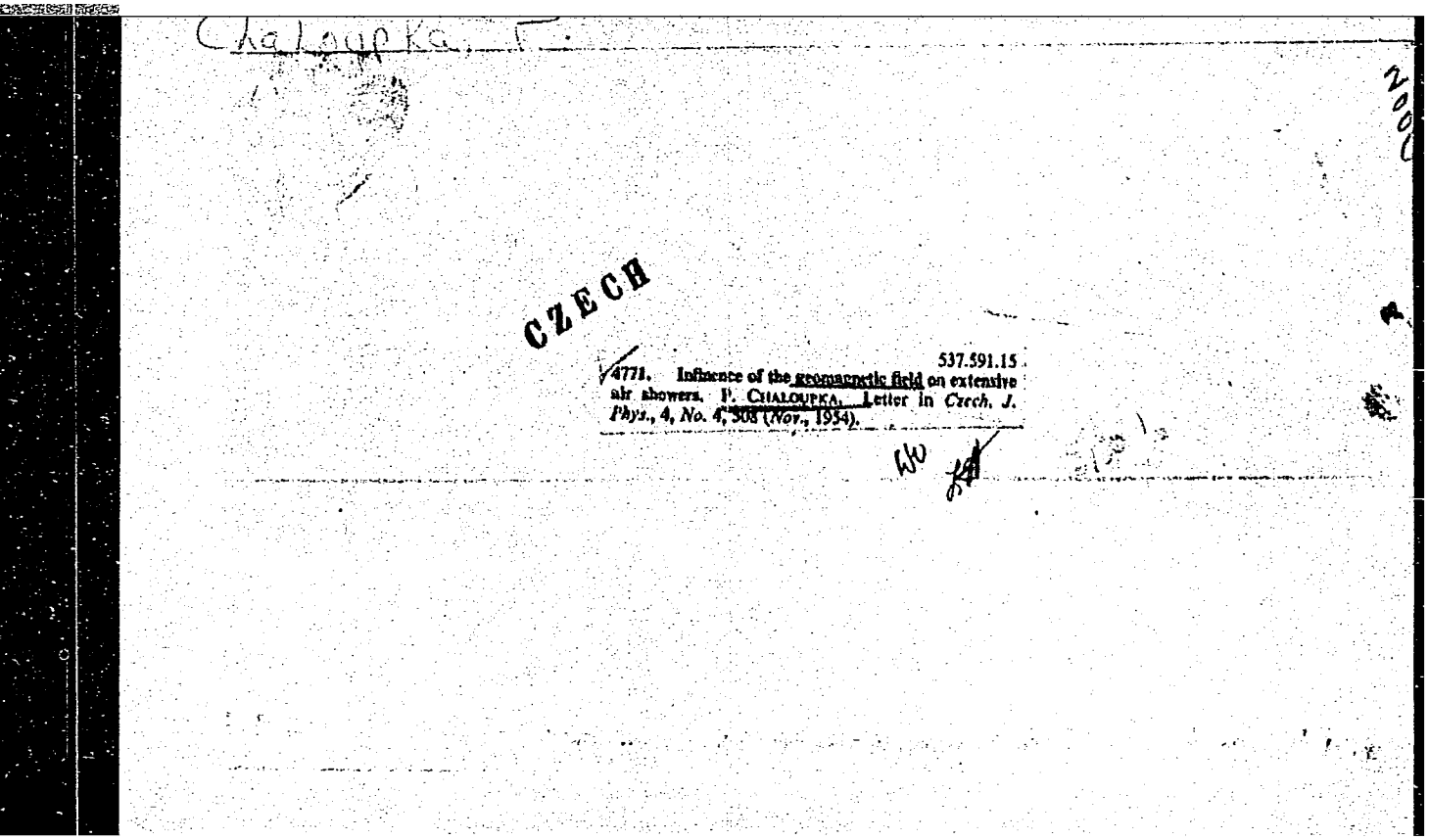

Chaloupka, F.

2000

CZECH

537.591.15

4771. Influence of the geomagnetic field on extensive air showers. F. CHALOUPKA. Letter in *Czech. J. Phys.*, 4, No. 4, 508 (Nov., 1954).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

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CHALOUPKA, P.

Chaloupka, P. Electric substitute scheme of the vibrations of piezoelectric bars. p. 562. CESKOSLOVENSKY CASOPIS PRO FYSIKU. Praha. Vol. 4, no. 5, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

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Chaloupka, P.; Pernegr, J. East-west assymetry on the 48 N of the geomagnetic breadth. p. 610. CESKOSLOVENSKY CASOPIS PRO FYSIKU. Praha. Vol. 4, no. 5, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

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Chaloupka, P. Influence of the geomagnetic field on extensive rainfalls. p. 612. CESKOSLOVENSKY CASOPIS PRO FYSIKU. Praha, Vol. 4, no. 5, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CZECH

537.591.5

5501. East–West asymmetry at 48°N of geomagnetic latitude. P. CHALOUPKA AND J. PERNEGR. Letter in *Czech. J. Phys.* 5, No. 2 (*Feb.*, 1955) In Russian.

Although measured by a number of experimenters figures for the E–W asymmetry in higher latitudes for the arriving primary cosmic-ray particles differ markedly. The authors have carried out measurements of the distribution of particles in various directions on the Lomnitsky Peak at 2640m above sea level and 48°N geomagnetic latitude. A conventional telescope arrangement with G.M. counters and lead plate absorbers was used, the whole equipment being able to turn about vertical and horizontal axes. To date only dependence of intensity of particles upon zenith angle in the E–W plane has been measured. Asymmetry is estimated at (3·6 ± 1·8)%. C. R. S. LANNERS

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, [redacted]/PAVEL

Category : CZECHOSLOVAKIA/Nuclear Physics - Cosmic rays C-7

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 620

Author : Dubinsky Juraj, Chaloupka Pavel, Pelrzilka Vaclav, Tomashova Lenka.
Inst : Univ. Karlovy v Praze, Fys. ustav CSAV v Praze, Prague, Czechoslovakia
Title : Geomagnetic Effect of Extensive Showers of Cosmic Rays.

Orig Pub : Ceskosl. casop. fys., 1955, 5, No 3, 293-296

Abstract : A study is made of the influence of the earth's magnetic field on the distribution of the density of extensive showers of cosmic rays. The core of the shower is determined with lead-shielded counters checked for coincidence against another set of counters, which in turn was alternately placed at equal distances in the southern or western directions. Measurements have shown that, at distances of 30 meters, the density in the western direction is 40% higher than in the southern one; at a distance of 50 meters this difference increases still more to 60%. The reported differences are way beyond the limits of statistical errors.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, P.

Recording telescopic measurement of zenithal dependence of extended cosmic ray beams. p. 216. MATEMATICKO-FYZIKALNY CASOPIS.(Slovenska akademia vied) Vol. 5, no. 4, 1955.

SOURCE: East European Accessions List, (EEAL) Library of Congress Vol. 5, no. 8, August 1956.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, F.

CZECH

621.372.412 : 621.3.018 : 621.3.012.3

2824. Equivalent circuit for the damped longitudinal and torsional oscillations of piezoelectric slabs. F. CHALOUPKA AND J. TICHÝ. *Slaboproudý Obzor*, 16, No. 1, 33–7 (1955). In Czech.

A slab of length l and cross-section ab, such that $l \gg a$ or b and $b > a$, is considered. Four types of excitation by means of parallel electrodes are investigated: (1) electrodes having an area bl; (2) electrodes with a transverse gap in the middle; (3) electrodes with a longitudinal cut through the middle; and (4) electrodes split into 4 equal sections. Expressions for the equivalent electrical parameters (L, C, R) of the above 4 systems are derived, on the basis of a method previously suggested by Chaloupka [*Československý Časopis pro Fisiku*, 4, 562–70 (1954)], showing that systems (1) and (2) produce odd-harmonic and even-harmonic longitudinal oscillations, respectively, while systems (3) and (4) can be excited to give odd-harmonic and even-harmonic torsional vibrations, respectively.

R. S. SIDOROWICZ

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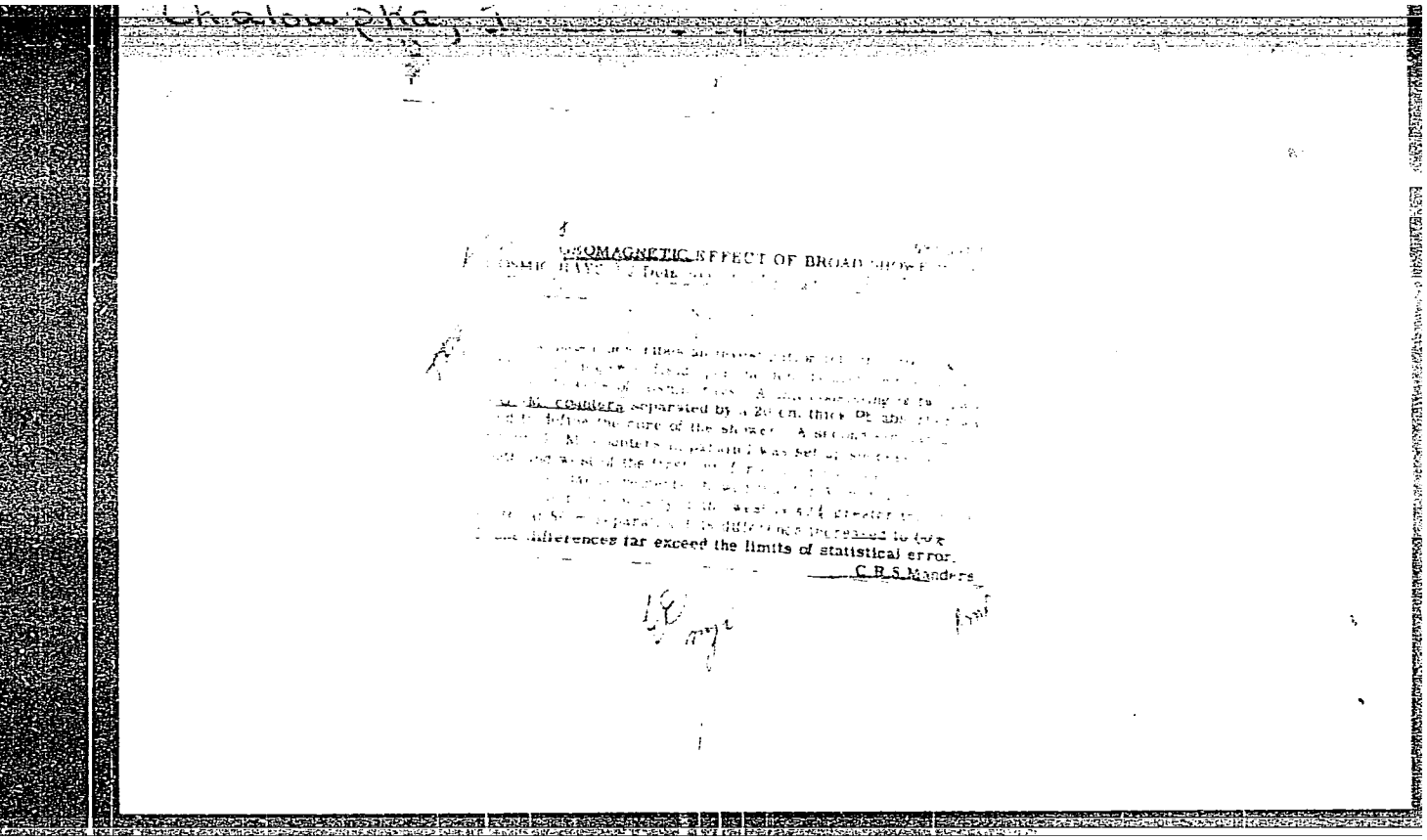

...OMAGNETIC EFFECT OF BROAD ...

... counters separated by a 20 cm. thick ... the axis of the shower. A ...

... differences far exceed the limits of statistical error.

C.B.S. Sanders

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CZECH/37-59-2-5/20

AUTHORS: J. Hladký, P. Chaloupka, V. Kadečka, T. Kowalski *) and P, Mokrý

TITLE: Three Variations in the Intensity of Cosmic Radiation in the First Half of 1958

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 2, pp 150-156

ABSTRACT: Research into variations of the primary component of cosmic radiation as a function of changes in the atmosphere of the sun, is expected to lead to useful information on the origin of cosmic radiation. To get a full picture of this variation, a large number of observations in varying geographical positions is necessary. From the regular and irregular variations of intensity of cosmic radiation, the influence of the sun is obvious. This may, in principle, have the following two reasons. The sun may be a source of the primary particles and may modulate them by its magnetic field. They are further modulated by changes in the Earth's magnetic field. Within the framework of the International Geophysical Year, a constant registration of the intensity of the penetrating component and of the neutron component of cosmic radiation was undertaken in two observatories. These are

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Three Variations in the Intensity of Cosmic Radiation in the First Half of 1958

Lomnicky stit (2,634M above sea level: geomagnetic latitude 48°N) and Prague (228M above sea level: geomagnetic latitude 48°N). The apparatus in both stations is similar. The penetrating component (μ-mesons) were measured by two counting telescopes with geometry recommended by C.S.A.G.I. (Ref 4). The effective area of the set of counters was 2500 cm^2 at Lomnicky stit and 3600 cm^2 in Prague. For the detection of neutrons, both stations used a monitor described by Simpson (Ref 5) and recommended by C.S.A.G.I. The continuous registration was carried out by two independent instruments in each station. The location of the stations determined the lower threshold of energies of primary particles which produced the measured components of the cosmic radiation. The range of energies can only be very roughly estimated. The average pressure at Lomnicky stit is 550 mm Hg. The minimum energy of μ-mesons capable of penetrating the given amount of air and the absorber (10cm Pb) is about 1.8 GeV (Ref 6). The energy of the primary particles must be higher, i.e. about 20 GeV. ✓

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Three Variations in the Intensity of Cosmic Radiation in the First Half of 1958

For sea level, the minimum energy of primary particles must be about 30 GeV. For the neutron monitor, the situation is more complicated because the atmospheric processes involving nucleons are complicated. We may assume (Refs 8,9,10) that the particles have energies around 3 GeV for Lomnicky stit and 7 GeV for sea level. During the first half of 1958, both stations registered three large variations in intensity of the penetrating and the neutron component. These were on the 25th March, 25th April and 7-9th May. These variations are shown in Figs 3, 4 and 5, together with the measurements on the intensity of the Earth's magnetic field. Table 1 shows the main characteristics of these variations. The magnetic and ionospheric data are taken from a publication by the Geophysical Institute of the Czechoslovak Academy of Science (Ref 11). The Prague data of the intensity of cosmic radiation are in good agreement with those measured in Moscow (Ref 12). The intensities of the various components of cosmic radiation are shown relative to the mean frequency of registered particles and only the

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Three Variations in the Intensity of Cosmic Radiation in the First Half of 1958

barometric effect has been corrected for. The barometric coefficient at Lomnicky stit is 0.299%/mm Hg for the penetrating component and 1.058%/mm Hg for the neutron component. The same corrections in Prague are 0.218 and 0.95%/mm Hg respectively. The statistical error of the measurements was σ = 0.28% for the meson telescopes on Lomnicky stit and σ = 0.41% for the neutron monitors. In Prague, the errors were σ = 0.21% for mesons and σ = 0.96% for neutrons. All other errors were considerably smaller than the statistical error, with the exception of a possible error introduced by changes in the geometry due to replacements of counters. All the reported measurements were taken without such replacements. The variation on the 25th March 1958 (Fig 3) is a typical variation associated with a magnetic storm. It has an accurately defined beginning which coincides with the beginning of the storm and lasts many days. The intensity of the meson component shows an increased daily variation. The neutron component showed this increased daily variation only at the Prague station. The amplitude of the disturbance was

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Three Variations in the Intensity of Cosmic Radiation in the First Half of 1958

extraordinarily large and related to the intensity of the magnetic storm. Before the variation, an intensive eruption was observed on the sun (Ref 13) starting on the 23rd March at 0950 hours GMT. The variation on the 25th April (Fig 4) was a relatively small one. The state of the Earth's magnetic field was practically undisturbed until the next day. No eruption was observed on the sun. The May variation (Fig 5) showed a short increase in the neutron intensity at Lomnicky stit on the 7th May at 2300 hours GMT. This was followed on the 9-10th May by a short decrease with a badly defined beginning, registered by all detectors. It is possible that the effect is due to a direct emission of particles with energies smaller than 7 GeV, possibly from a small eruption observed on the sun at 2335 hours GMT. During the following decrease, no large magnetic disturbance was observed. These measurements are for the period from 1st January to 30th June 1958. Measurements in both stations are being continued.

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CZECH/37-59-2-5/20

Three Variations in the Intensity of Cosmic Radiation in the First Half of 1958

There are 5 figures, 1 table and 13 references, of which 5 are German, 5 English, 2 Soviet and 1 Czech.

ASSOCIATION: Fysikální ústav ČSAV, Praha
(Institute of Physics, Czechoslovak Ac. Sc., Prague)
*) Akademia Górniczo-Hutnicza, Kraków
(Mining-Metallurgical Academy, Cracow)

Card 6/6

SUBMITTED: November 4, 1958

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

KHALOUPKA, P., [Chaloupka, P.], geofizik

Observations on cosmic rays during April- May 1963. Inform. biul. Sov. antark. eksp. no.46:43 '64 (MIRA 18:1)

1. Akademiya nauk Chekhoslovatskoy SSR.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, V.

CZECHOSLOVAKIA/Human and Animal Morphology. Pathological Anatomy. S

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69685.

Author : Dluhos M., Chaloupka V.
Inst :
Title : Pathomorphologic Changes in Acute Experimental Strychnine Poisoning.

Orig Pub: Scripta med., 1957, Vol. 30, No 5, 199-205.

Abstract: No abstract.

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S

Country : CZECHOSLOVAKIA
Category: Human and Animal Morphology (Normal and Pathological). Pathological Anatomy.

Abs Jour: RZhBiol., No 2, 1959, No 7663

Author : Dluhos, M.; Chaloupka, V.
Inst : -
Title : A Comparison of Changes Induced by Introduction of Tetanotoxine, Antitetanic Serum and Poisons Which Induce Convulsions.

Orig Pub: Scripta med , 1957, 30, No 5, 212-220

Abstract: Tetanotoxine (I) and I together with antitetanic serum was introduced to 40 guinea pigs. The discovered changes, as compared with changes induced by the action of spastic poisons (strychnine, aconitine,

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S

Country : CZECHOSLOVAKIA
Category: Human and Animal Morphology (Normal and Pathological). Pathological Anatomy.

Abs Jour: RZhBiol., No 2, 1959, No 7663

veratrine) are not specific for tetanus. In the CNS, focal changes of ganglionic cells were observed up to their complete necrosis. Purkinje's cells of cerebellum are especially affected. The nerve fibers become demyelinated and swell. The walls of arteries of the brain also swell and thicken. Analogous changes were discovered in ganglionic cells and nerve fibers of the spinal cord. In the trunks of n. ischiadicus, granular decomposition, myeline membranes and varying argyrophilia of nerve fibers were noted. In 20 animals to which I together with antitetanic serum

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, V.

Armed uprising of the proletariat and humanism. p. 13.

PREDVOJ. (Komunistika strana Slovenska. Ustredni vybor)
Vol. 3, no. 47, Nov. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2 Feb. 1960
Uncl.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, V., inz.; RIPPL, J., inz., CSc.; TUREK, F., inz.

Reduction of sliding friction in sensitive hydraulic mechanisms.
Strojirenstvi 12 no.1:29-38,10 Ja '62.

1. Statni vyzkumny ustav tepelne techniky, Praha.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Vojtech; DVORAK, Jan, ins.

The 5,5 MHz transmitter, type UVR ED 8 W. Geol pruzkum 6 no.2[illegible] F'64

1. Ustav pro vyzkum rud, Praha.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Z.; GROSSMANN, V.

Development of changes of properties of circulating blood, plasma and thiocyanic clearance during the first 6 days after irradiation with an average lethal x-ray dose. Cesk. fysiol. 7 no.2:143-144 Mar 58.

1. Katedra farmakologie Vojenske lekarske akademie J. E. Purkyne.
(THIOCYANATES, in blood,
clearance, eff. of lethal x-ray irradiation (Cz))
(BLOOD, effect of radiations,
x-ray, lethal dose (Cz))
(ROENTGEN RAYS, effects,
on blood & thiocyanate clearance, lethal dose (Cz))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

GROSSMANN, V.; CHALOUPKA, Z.

Metabolic changes of dolsin in irradiated rats. Cesk. fysiol. 7 no.3: 256-257 May 58.

1. Katedra farmakologie VLA J. E. Purkyne, Hradec Kralove.
(ROENTGEN RAYS, eff.
on dolsin metab (Cz))
(ANALGESIS AND ANTIPYRETICS, metab.
dolsin, eff. of x-rays (Cz))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Z.; GROSSMANN, V.

Changes of dolsin decomposition by rat liver perfused in vitro during the development of radiation sickness. Cesk. fysiol. 7 no.5:476-478 Sept 58.

1. Katedra farmakologie VLA, Hradec Kralove.
(LIVER, metab.
dolsin, decomposition in rat liver perfused in vitro during develop. of radiation sickness (Cz))
(ANALGESICS, metab.
same)
(ROENTGEN RAYS, effects,
liver dolsin decomposition, rat liver perfused in vitro during develop. of radiation sickness (Cz))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

MYSLIVECEK, J.; CHALOUPKA, Z.

Auditory cortical reactions in rats after early excision of the neopallium. Cesk. fysiol. 8 no.5:421-422 S '59

1. Ustav patologicke fysiologie lekarske fakulty KU, Plzen.
(CEREBRAL CORTEX physiol.)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Z.

Effect of large doses of procurane on rat fetus. Cesk. fysiol. 8 no.6:551-552 N '59

1. Katedra farmakologie Lek. fak. KU, Hradec Kralove.
(MUSCLE RELAXANTS, pharmacol.)
(FETUS pharmacol.)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Z.; MYSLIVECEK, J.

Effect of breaking down of sulfhydryl compounds on electrical manifestations of the brain. Cesk. fysiol. 9 no.1:18-19 Jan 60.

1. Ustav patologicke fysiologie lekarske fakulty KU Plzen.
(SULFHYDRYL COMPOUNDS metab.)
(ELECTROENCEPHALOGRAPHY)

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CHALOUPKA, Z.; MYSLIVECEK, J.; SPRINGER, V.

Electrophysiological indicators of lesions of the nervous system in early ontogenesis. Acta univ. carol. [Med] Suppl. 15:41-46 '61.

1. Ustav patologicke fysiologie lekarske fakulty University Karlovy se sidlem v Plzni, prednosta doc. MUDr. J. Myslivecek.
(ELECTROENCEPHALOGRAPHY) (BRAIN physiol)
(NERVOUS SYSTEM physiol)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPKA, Z.; ZAHLAVA, J.

Contribution to the localisation of the cortical segment of the auditory analyzer. Activ. nerv. sup. 4 no.2:140-141 '62.

1. Ustav patologicke fysiologie lekarske fakulty Karlovy university v Plzni.

(CEREBRAL CORTEX physiol) (HEARING physiol)

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CZECHOSLOVAKIA

Z. CHALOUPKA and J. MYSLIVECEK, Department of Pathological Physiology, Medical Faculty of Charles University (Ustav patologicke fyziologie, lekarska fakulta Karlove University,) Plzen.

"Pharmacologic and Physical Influencing of the So-Called Temporary Take-Over of Rhythm of Evoked Cortical Potentials."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 184-185.

Abstract: Studies in rats in urethane, chloral, allobarbital 70 or 140 mg./Kg. and allobarbital 70 mg./Kg. + cool (30 - 31° C) and exposed to 5 msec clicking sound 5 to 8 Hz frequency. Not all 10 animals in any group showed the "temporary take-over of the rhythm" and cold increased response sooner than doubling allobarbital dose. This is likened to recruitment or augmentation reaction phenomena. Graph; 3 Western and 3 Czech references.

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CHALOUPKA, Z.

Primary cortical response at different frequency of stumulation. Activ. nerv. sup. (Praha) 7 no.2:157-158 '65

1. Institute of Pathological Physiology, Medical Faculty, Charles University, Plzen.

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18 B

AUTHOR: Chaloupka, Z.

ORG: Institute of Pathological Physiology, Medical Faculty, Charles University, Plzen

TITLE: Primary cortical responses at different frequency stimulation [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 157-158

TOPIC TAGS: cerebral cortex, acoustic biologic effect, rat, dog, electrophysiology

ABSTRACT: The amplitude of the positive component of primary cortical response to rhythmical acoustical stimulation and electrical stimulation of the sciatic nerve was measured in 18 anesthetized adult rats and 5 dogs. The amplitude decreased with increasing stimulation frequency; the amplitude drop occur after a certain period of the experiment; these are probably due to fatigue or reduced lability of the receptor, afferent nerve, or other parts of the analysor. Different results with acoustical and electrical stimulation are due to the fact that in the first case the receptor is stimulated, but in the latter it is the afferent nerve that is stimulated. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 004

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CZECHOSLOVAKIA / USA

ZAHLAVA, J.; CHALOUPKA, Z.; MYSLIVECEK, J.; Institute of Pathol. Physiol. Med. Faculty, Charles University, Plzen; Thudichum Laboratory, State Research Hosp., Galesburg, Ill. [Orig. version of the first affiliation not given]

"Development of Primary Cortical Auditory Responses at Various Stimulation Frequencies in Dogs."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 175-176

Abstract: Changes in the shape of primary cortical responses (PCR) were studied in 2 series of experiments: in 17 puppies aged 21 days or less, immobilized by curare, and in 17 dogs in chloralose-nembutal anesthesia (6 puppies aged 18-37 days, 4 aged 72-112 days and 7 adult dogs). Positive-negative PCR from the g. ectosylvius medius were evaluated. The brain cortex ability to respond with PCR to rhythmical acoustic stimulation improved significantly in the course of ontogenetic development, mainly from the 10th to 14th days of life. 1 Figure, no references. Submitted at the 4th Interdisciplinary Conference of Exper. and Clin. Study of Higher Nerv. Functions at Marianske Lazne, 12-15 Oct 65.

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CZECHOSLOVAKIA

CHALOUPKA, Z.; Institute of Pathological Physiology, Medical Faculty, Charles University, Plzen. [Original version not given].

"Comparison of the Reproduction of Cortical Auditory Responses to Rhythmic Acoustical Stimulation in Various Species of Mammals (Dog, Cat, Rabbit, Guinea Pig)."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 176-177

Abstract: Amplitude of the positive and negative component of primary auditory response in dog, cat, rabbit, and guinea pig was compared. Evoked potentials to the 1st and 2nd decade of stimuli at 2,4,10 and 20 cps were compared to amplitude of individual components at stimulation frequency 1cps. The auditory analyzer of the carnivora gyrencephalica can reproduce higher repetition frequencies of sound stimuli than that of lisencephala (rabbit, guinea pig). 1 Figure, 4 Western, 3 Czech references. Submitted at the 4th Interdisciplinary Conference of Exper. and Clin. Study of Higher Nerv. Functions at Marianske Lazne, 12-15 Oct 65. Article is in English.

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CZECHOSLOVAKIA

CHALOUPKA, Z.; LEDINSKA, N.; Institute of Pathological Physiology, Med. Faculty, Charles University, Plzen. /Orig. version not given/.

"The Ability to Reproduce Cortical Auditory Responses in Waking Cats."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, p 178

Abstract: Changes in the ability to reproduce cortical auditory responses in waking cats at different time intervals were determined by means of implanted electrodes. Electrodes were implanted in 8 adult cats in the auditory, occipital, and frontal areas. Experiments were carried out for a month, beginning on the first day after the implantation. Increasing frequency of stimulation decreases the amplitude of EP both in anesthetized and non-anesthetized animals. The relative decrease in individual components is identical in different periods after implantation. No difference in the ability to reproduce cortical responses was found between anesthetized and waking cats. 1 Figure, no references. Submitted at the 4th Interdisciplinary Confer. of Exper. and Clin. Study of Higher Nerv. Functions at Marianske Lazne, 12-15 Oct 65. Article is in English.

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CHALOUPKA, Z.; ZAHLAVA, J.

Elicitation of electrical responses in the acoustical cortical area. Cas.lek.cesk.102 no.49:1343-1346 6 D'63.

1. Ustav patologicke fyziologie lekarske fakulty KU v Plzni; prednosta: doc.dr. J. Myslivecek, DrSc.

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CHALOUPSKÝ, Evžen, MUDr.

Results of specialization course in internal medicine.
Česk. zdravot. 4 no.2:106-107 Mar. 1956.

1. Obvodní lékař v Rudníku, okres Vrchlabí.
(MEDICINE, INTERNAL, education,
specialization courses in Czech. (Cz))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOUPSKY, J.

"Geologic and petrographic conditions in the valley of the Jizera River between Harrachov and Dolni Rokytnice"

Sbornik. Oddil geologicky. Praha, Czechoslovakia. Vol. 24, no. 1, 1957 (published 1958)

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

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CHALOV, A. (g. Tashkent); TSUTSKOV, S.; VASIL'YEV, V. (g. Sverdlovsk); GORYNTSEV, F. (g. Sverdlovsk)

Repaired by amateurs. Radio no.5:46 My '61. (MIRA 14:7)
(Radio—Repairing) (Television—Repairing)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOV, I. I.

7840. CHALOV, I. I.—Poyezdnaya praktika uchashchikhsya—pomoshchnikov mashinistov. iz opyta raboty kropotkin. zh.-d. uchilishcha No 1 L. graf. 20 sm. (glav. upr. trnd.rezervov pri sovete ministrov ssar. Wcheb'metod. Wpr. obmem opytom raboty). 1,000 ekz bespl.—(55-3587) P
621.137/138(077)

SO: Knizhnaya Letopis', Vol, 1955

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

DEM'YANENKO, A.I.; CHALOV, I.V.

Practice of using hydrocyclones for the thickening and classification of hydrate pulps. TSvet. met. 37 no.6:83-85 Je '64. (MIRA 17:9)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

PLYUSHKIN, M.Z.; CHALOV, I.V.

Industrial use of laminar heat exchangers in alumina production. TSvet. met. 38 no.5:87-89 My '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

DEM'YANENKO, A.I.; YAKOVENKO, N.G.; CHALOV, I.V.

Increasing alumina output at the Dnieper aluminum plant during work with a high concentration aluminate solution. TSvet. met. 38 no.8:86-87 Ag '65. (MIRA 18:9)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308120005-2

CHALOV, M.-Kh. B.

Effect of prolactine on cancer of the mammary glands in rats and mice. Biul. eksp. biol. i med. 60 no.11:79-83 N '65.
(MIRA 19:1)

1. Laboratoriya eksperimental'noy gormonoterapii (zav. - doktor biol. nauk N.I. Lazarev) Instituta eksperimental'noy i klinicheskoy onkologii (direktor - deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin) AMN SSSR, Moskva. Submitted January 7, 1965.

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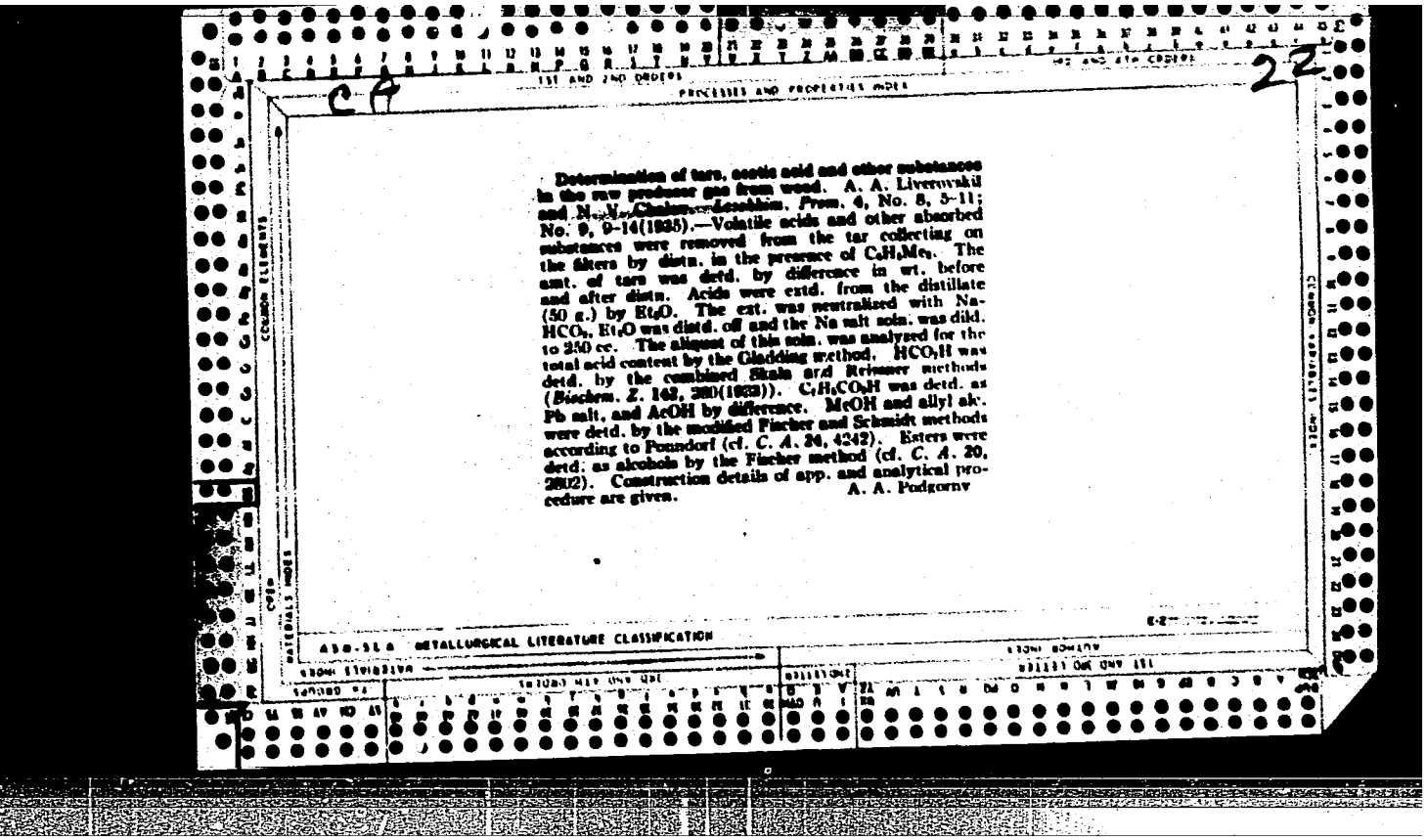

Determination of tars, acetic acid and other substances in the raw producer gas from wood. A. A. Liverovskii and N. V. Chukanov. *Kislotnye Smoly*, 4, No. 8, 5–11; No. 9, 9–14(1935).—Volatile acids and other absorbed substances were removed from the tar collecting on the filters by distn. in the presence of $C_6H_5Me_2$. The amt. of tars was detd. by difference in wt. before and after distn. Acids were extd. from the distillate (50 g.) by Et_2O. The ext. was neutralized with Na-HCO_3, Et_2O was distd. off and the Na salt soln. was dild. to 250 cc. The aliquot of this soln. was analyzed for the total acid content by the Gladding method. HCO_2H was detd. by the combined Skala and Reissner methods (*Biochem. Z.* 142, 280(1923)). $C_6H_5CO_2H$ was detd. as Pb salt, and AcOH by difference. MeOH and allyl alc. were detd. by the modified Fischer and Schmidt methods according to Poumdorf (cf. *C. A.* 24, 4242). Esters were detd. as alcohols by the Fischer method (cf. *C. A.* 20, 2812). Construction details of app. and analytical procedure are given.

A. A. Podgorny

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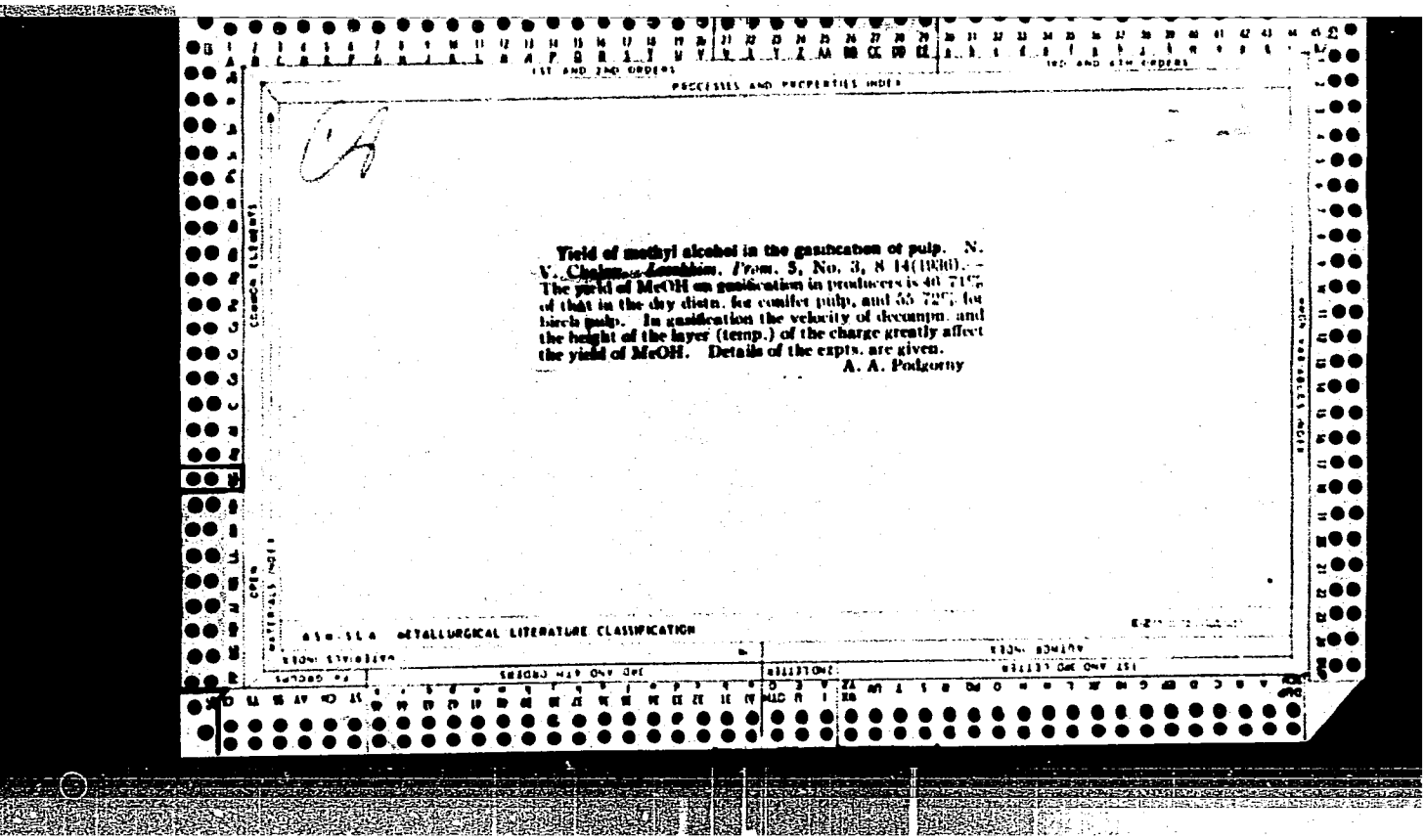

Yield of methyl alcohol in the gasification of pulp. N. V. Chalmers-Lambkin. *Trans. S.* No. 3, 8-14(1936).—The yield of MeOH on gasification in producers is 40-71% of that in the dry distn. for conifer pulp, and 55-72% for birch pulp. In gasification the velocity of decompn. and the height of the layer (temp.) of the charge greatly affect the yield of MeOH. Details of the expts. are given.

A. A. Podgorny

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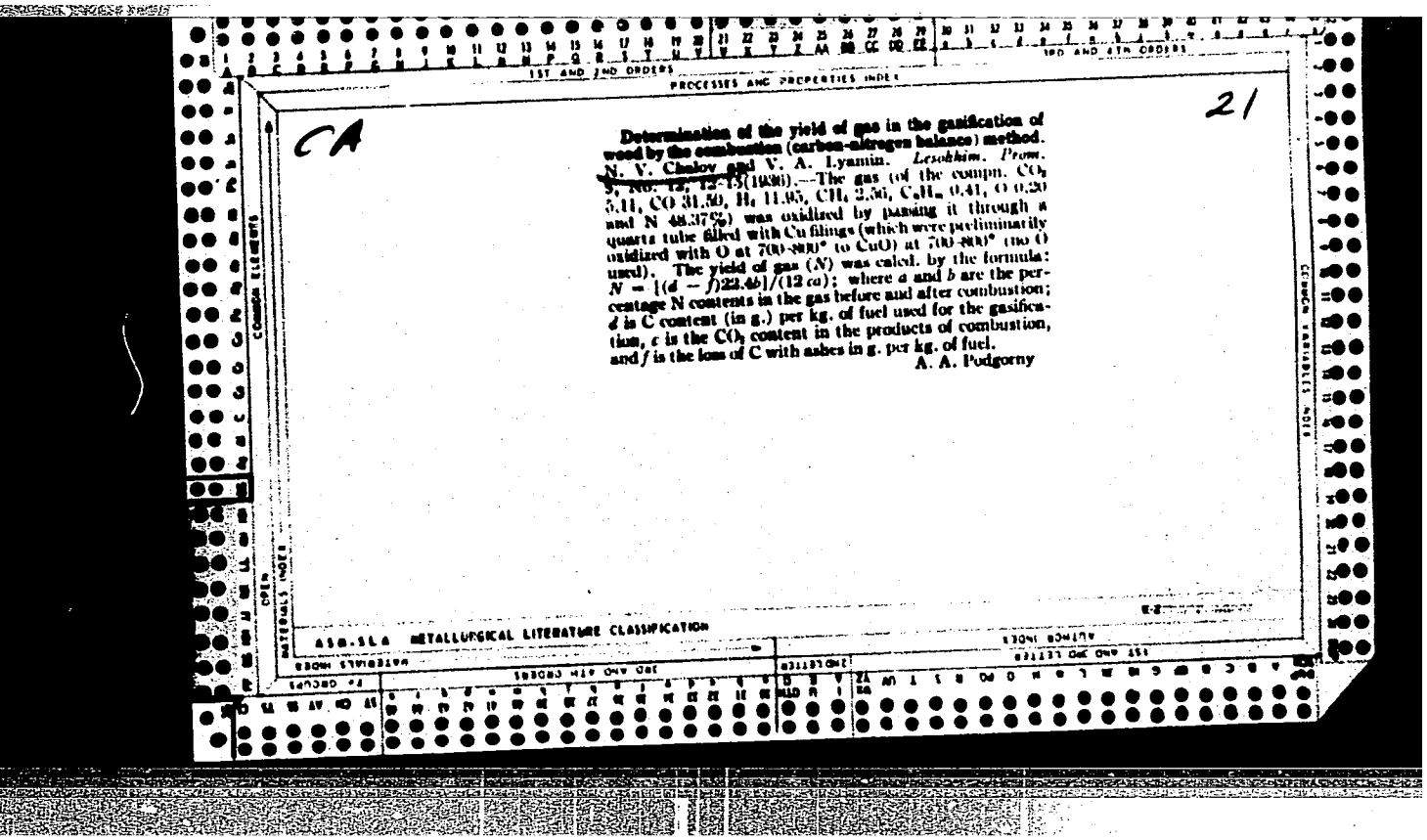

CA

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Determination of the yield of gas in the gasification of wood by the combustion (carbon-nitrogen balance) method. N. V. Chalov and V. A. Lyamin. *Leskhim. Prom.* 9, No. 12, 12–15(1939).—The gas (of the compn. CO_2 5.11, CO 31.80, H_2 11.95, CH_4 2.50, C_nH_m 0.41, O 0.20 and N 48.37%) was oxidized by passing it through a quartz tube filled with Cu filings (which were preliminarily oxidized with O at 700–800° to CuO) at 700–800° (no O used). The yield of gas (N) was calcd. by the formula: $N = [(d - f)23.46]/(12\,ca)$; where a and b are the percentage N contents in the gas before and after combustion; d is C content (in g.) per kg. of fuel used for the gasification, c is the CO_2 content in the products of combustion, and f is the loss of C with ashes in g. per kg. of fuel.

A. A. Podgorny

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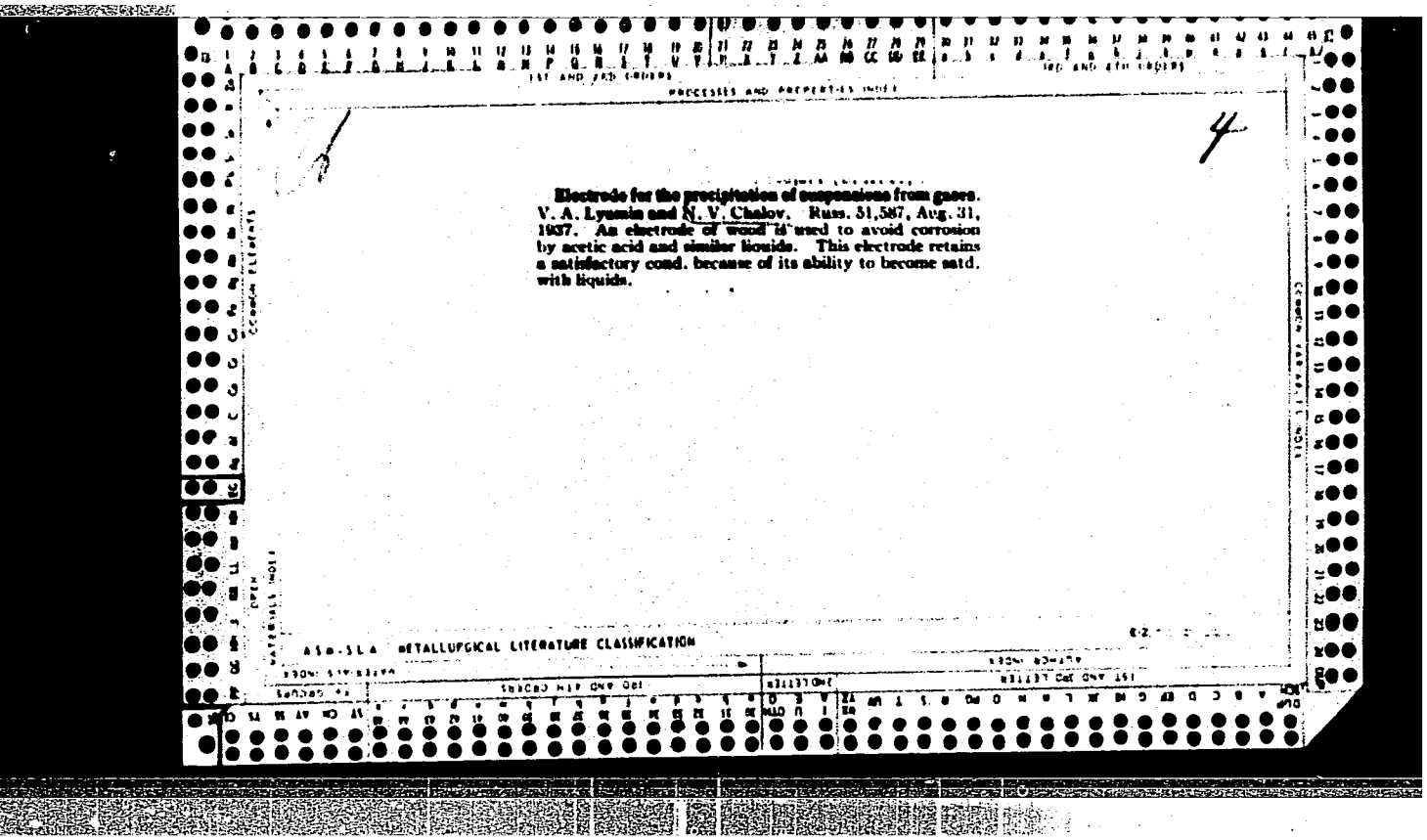

Electrode for the precipitation of suspensions from gases. V. A. Lyamin and N. V. Chalov. Russ. 51,587, Aug. 31, 1937. An electrode of wood is used to avoid corrosion by acetic acid and similar liquids. This electrode retains a satisfactory cond. because of its ability to become satd. with liquids.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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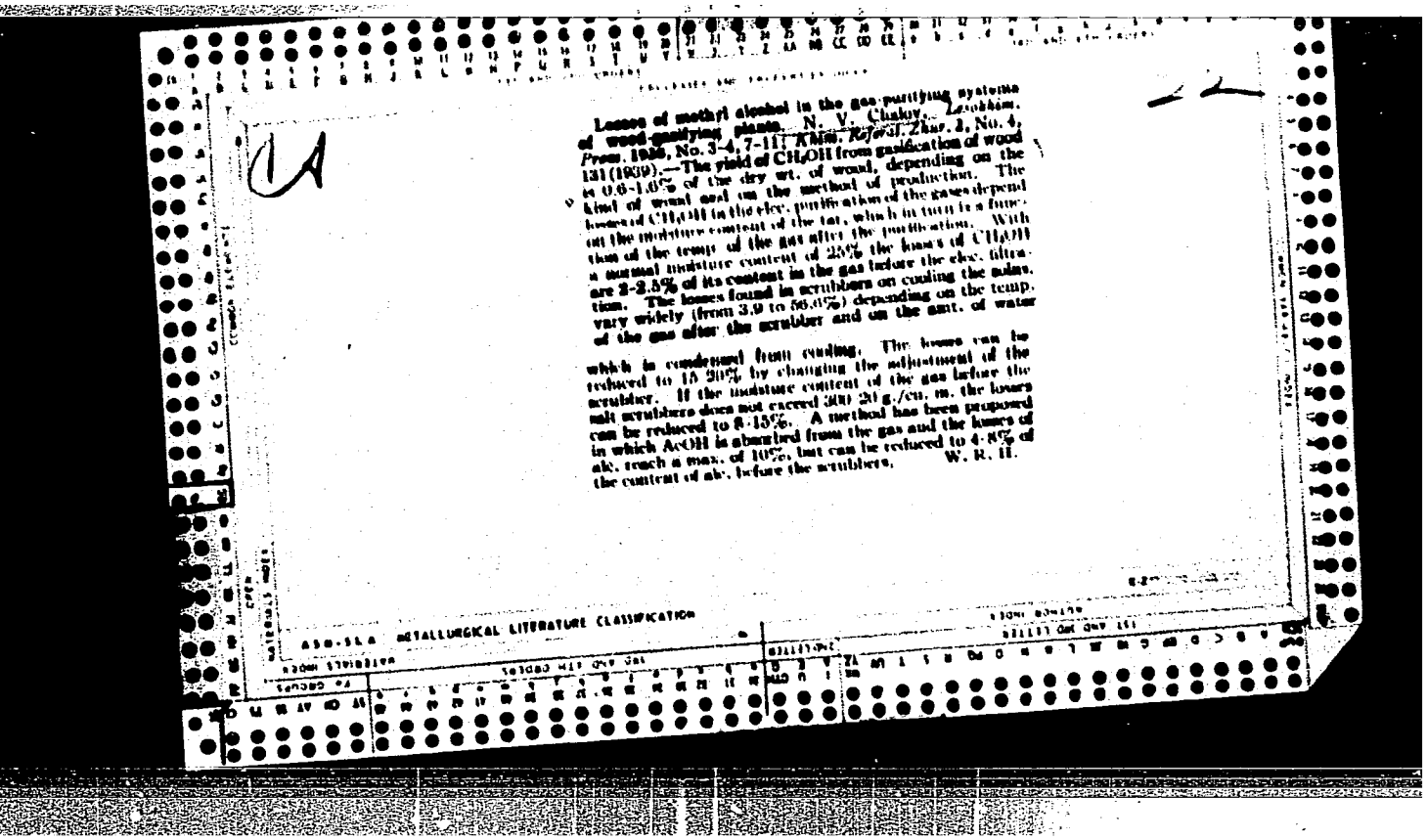

Losses of methyl alcohol in the gas-purifying systems of wood-gasifying plants. N. V. Chaikov. *Gazovaia Prom.* 1938, No. 3-4, 7-11; *Khim. Referat. Zhur.* 3, No. 4, 131 (1939).—The yield of CH_3OH from gasification of wood is 0.6-1.0% of the dry wt. of wood, depending on the kind of wood and on the method of production. The losses of CH_3OH in the elec. purification of the gases depend on the moisture content of the tar, which in turn is a function of the temp. of the gas after the purification. With a normal moisture content of 25% the losses of CH_3OH are 2-3.5% of its content in the gas before the elec. filtration. The losses found in scrubbers on cooling the substance vary widely (from 3.9 to 56.6%) depending on the temp. of the gas after the scrubber and on the amt. of water which is condensed from cooling. The losses can be reduced to 15-20% by changing the adjustment of the scrubber. If the moisture content of the gas before the salt scrubbers does not exceed 300-20 g./cu. m. the losses can be reduced to 8-15%. A method has been proposed in which AcOH is absorbed from the gas and the losses of alc. reach a max. of 10%, but can be reduced to 4-8% of the content of alc. before the scrubbers. W. R. H.

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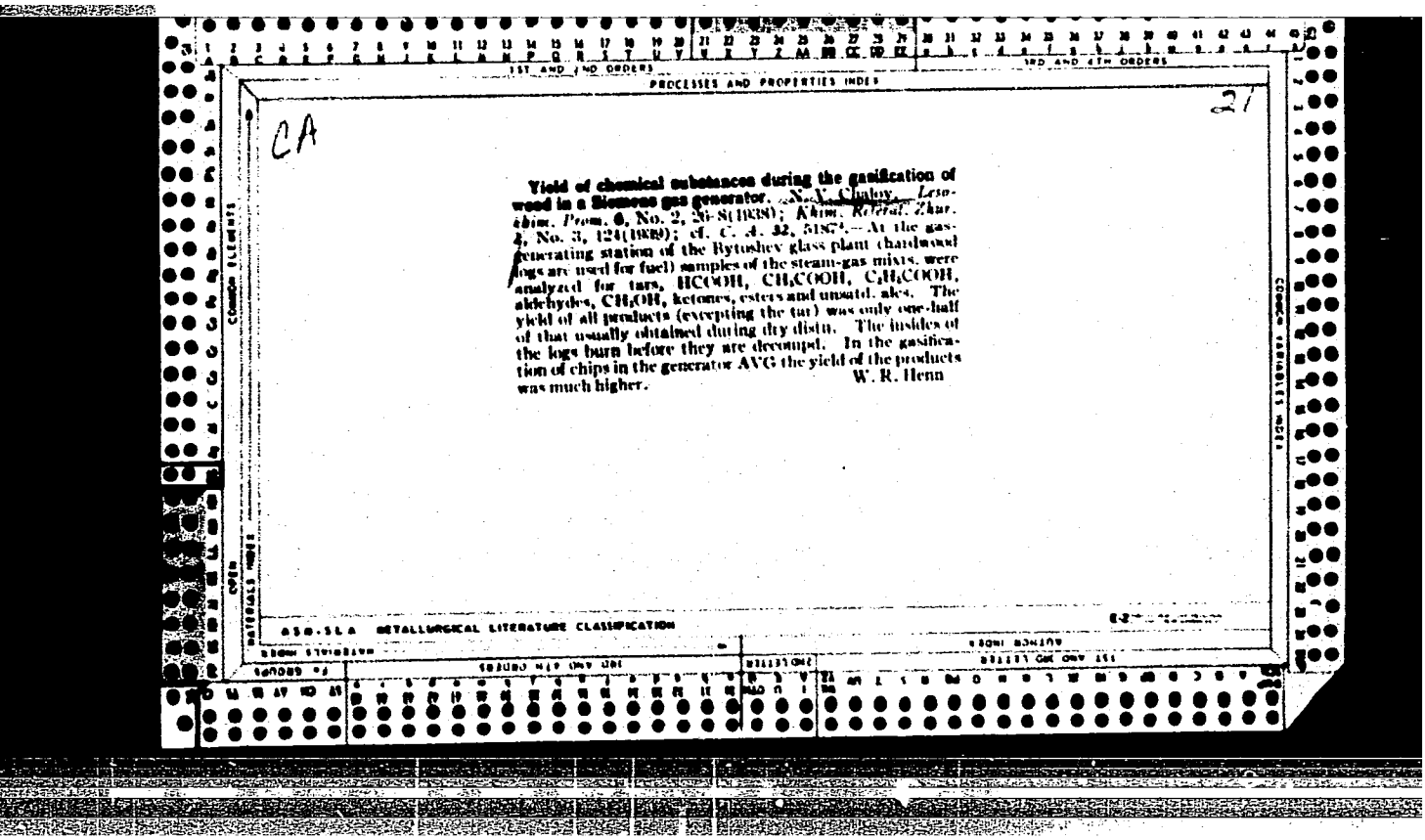

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

27

CA

Yield of chemical substances during the gasification of wood in a Siemens gas generator. N. V. Chuiov. *Leso-khim. Prom.* **6**, No. 2, 36-8(1938); *Khim. Referat. Zhur.* **2**, No. 3, 124(1939); cf. *C. A.* **32**, 5187⁴.—At the gas-generating station of the Rytoshev glass plant (hardwood logs are used for fuel) samples of the steam-gas mixts. were analyzed for tars, $HCOOH$, CH_3COOH, C_2H_5COOH, aldehydes, CH_3OH, ketones, esters and unsatd. alcs. The yield of all products (excepting the tar) was only one-half of that usually obtained during dry distn. The insides of the logs burn before they are decompd. In the gasification of chips in the generator AVG the yield of the products was much higher.

W. R. Henn

050.SLA METALLURGICAL LITERATURE CLASSIFICATION

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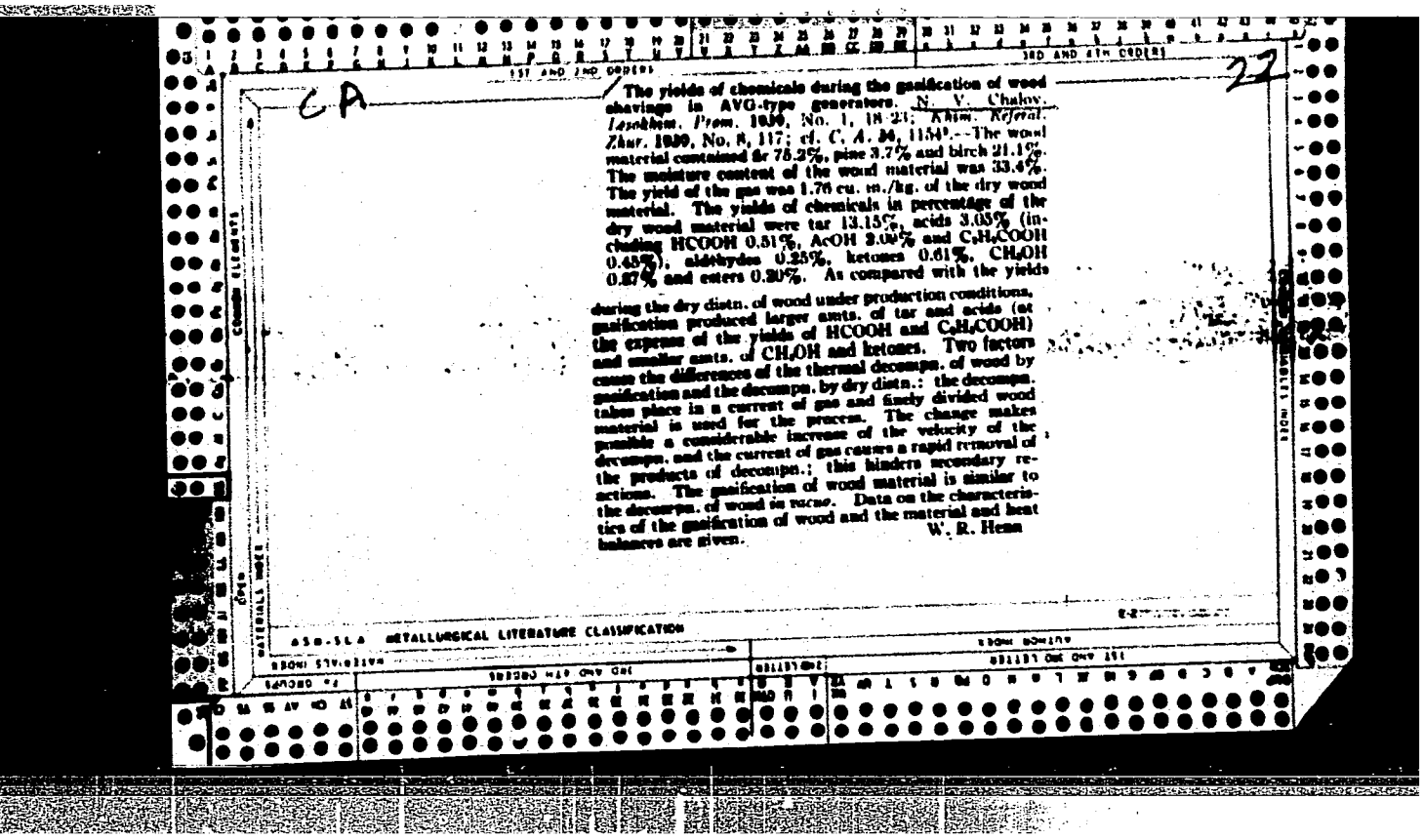

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27

The yields of chemicals during the gasification of wood shavings in AVG-type generators. N. V. Chalov. *Izvestiya. Prom.* 1939, No. 1, 18-21; *Khim. Referat. Zhur.* 1939, No. 8, 117; cf. *C. A.* 34, 1154⁹.—The wood material contained fir 78.2%, pine 8.7% and birch 21.1%. The moisture content of the wood material was 33.4%. The yield of the gas was 1.76 cu. m./kg. of the dry wood material. The yields of chemicals in percentage of the dry wood material were tar 13.15%, acids 3.03% (including HCOOH 0.51%, AcOH 2.08% and C_2H_5COOH 0.45%), aldehydes 0.25%, ketones 0.61%, CH_3OH 0.87% and esters 0.20%. As compared with the yields during the dry distn. of wood under production conditions, gasification produced larger amts. of tar and acids (at the expense of the yields of HCOOH and C_2H_5COOH) and smaller amts. of CH_3OH and ketones. Two factors cause the differences of the thermal decompn. of wood by gasification and the decompn. by dry distn.: the decompn. takes place in a current of gas and finely divided wood material is used for the process. The change makes possible a considerable increase of the velocity of the decompn. and the current of gas causes a rapid removal of the products of decompn.; this hinders secondary reactions. The gasification of wood material is similar to the decompn. of wood in vacuo. Data on the characteristics of the gasification of wood and the material and heat balances are given.

W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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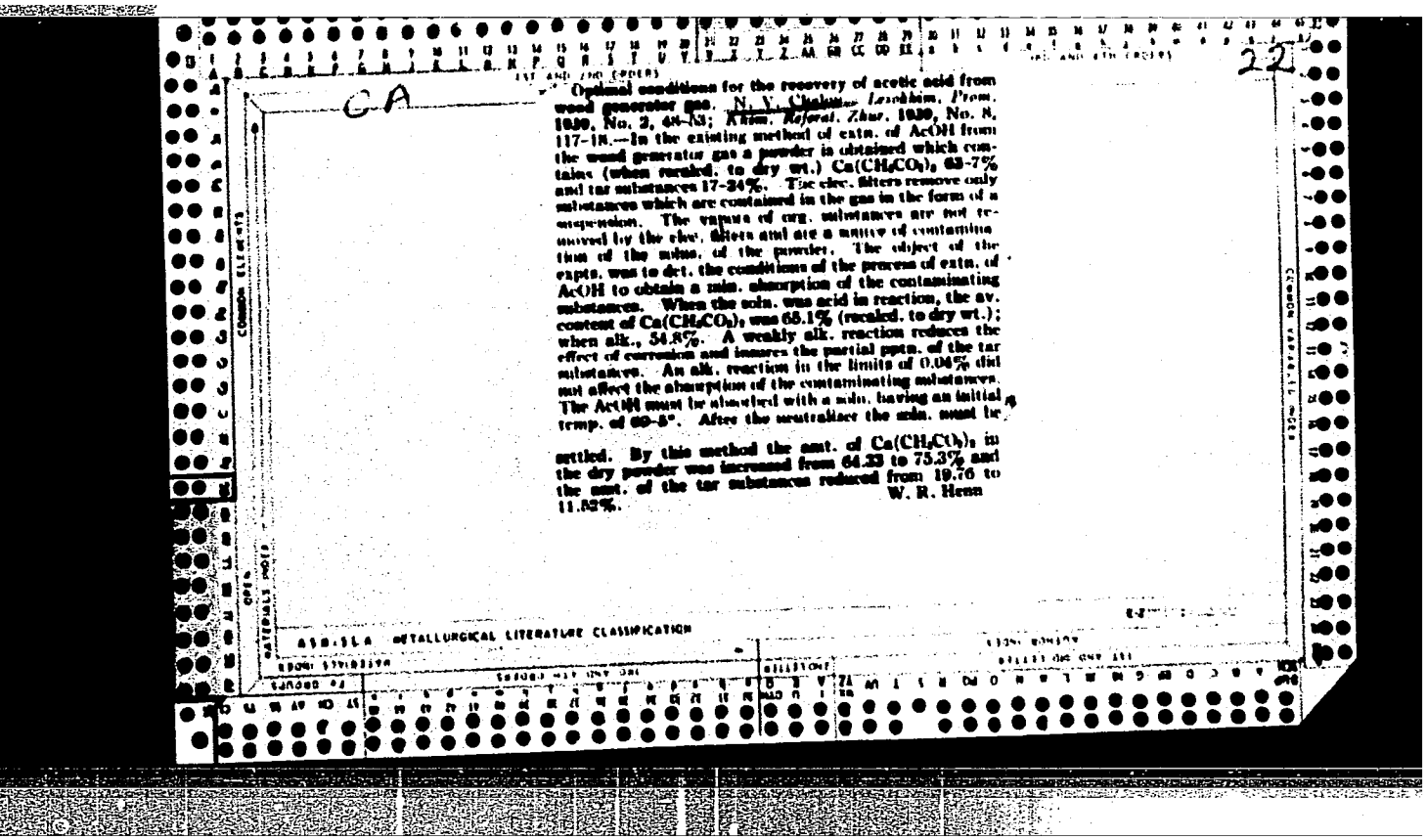

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22

Optimal conditions for the recovery of acetic acid from wood generator gas. N. V. Chalaya. *Lesokhim. Prom.* 1939, No. 2, 48–53; *Khim. Referat. Zhur.* 1939, No. 8, 117–18.—In the existing method of extn. of AcOH from the wood generator gas a powder is obtained which contains (when recalcd. to dry wt.) $Ca(CH_3CO_2)_2$ 63–7% and tar substances 17–24%. The elec. filters remove only substances which are contained in the gas in the form of a suspension. The vapors of org. substances are not removed by the elec. filters and are a source of contamination of the substs. of the powder. The object of the expts. was to det. the conditions of the process of extn. of AcOH to obtain a max. absorption of the contaminating substances. When the soln. was acid in reaction, the av. content of $Ca(CH_3CO_2)_2$ was 65.1% (recalcd. to dry wt.); when alk., 54.8%. A weakly alk. reaction reduces the effect of corrosion and insures the partial pptn. of the tar substances. An alk. reaction in the limits of 0.06% did not affect the absorption of the contaminating substances. The AcOH must be absorbed with a soln. having an initial temp. of 60–5°. After the neutralizer the soln. must be settled. By this method the amt. of $Ca(CH_3CO_2)_2$ in the dry powder was increased from 64.33 to 75.3% and the amt. of the tar substances reduced from 19.76 to 11.82%.

W. R. Henn

A59-51A METALLURGICAL LITERATURE CLASSIFICATION

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